FIG.1

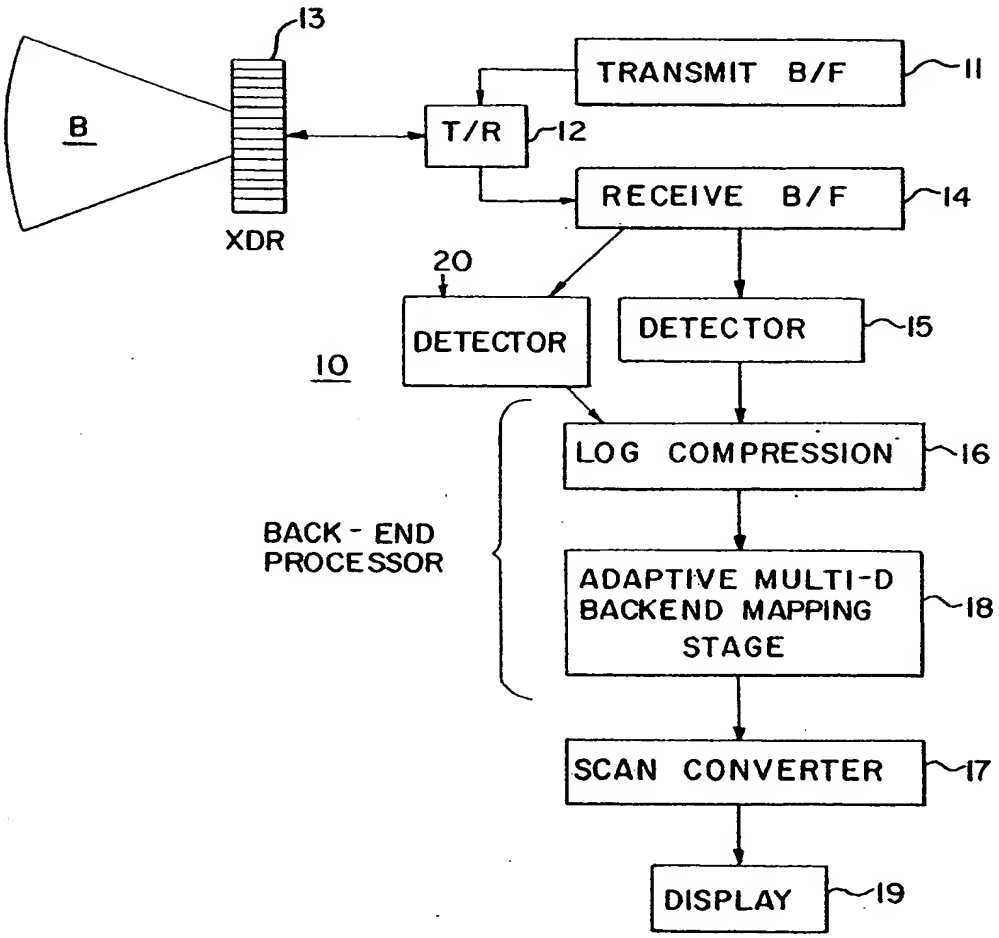

13
B
XDR
TRANSMIT B/F
11
T/R
12
RECEIVE B/F
14
20
DETECTOR
DETECTOR
15
10
LOG COMPRESSION
16
BACK - END
PROCESSOR
ADAPTIVE MULTI-D
BACKEND MAPPING
STAGE
18
SCAN CONVERTER
17
DISPLAY
19

FIG. 2

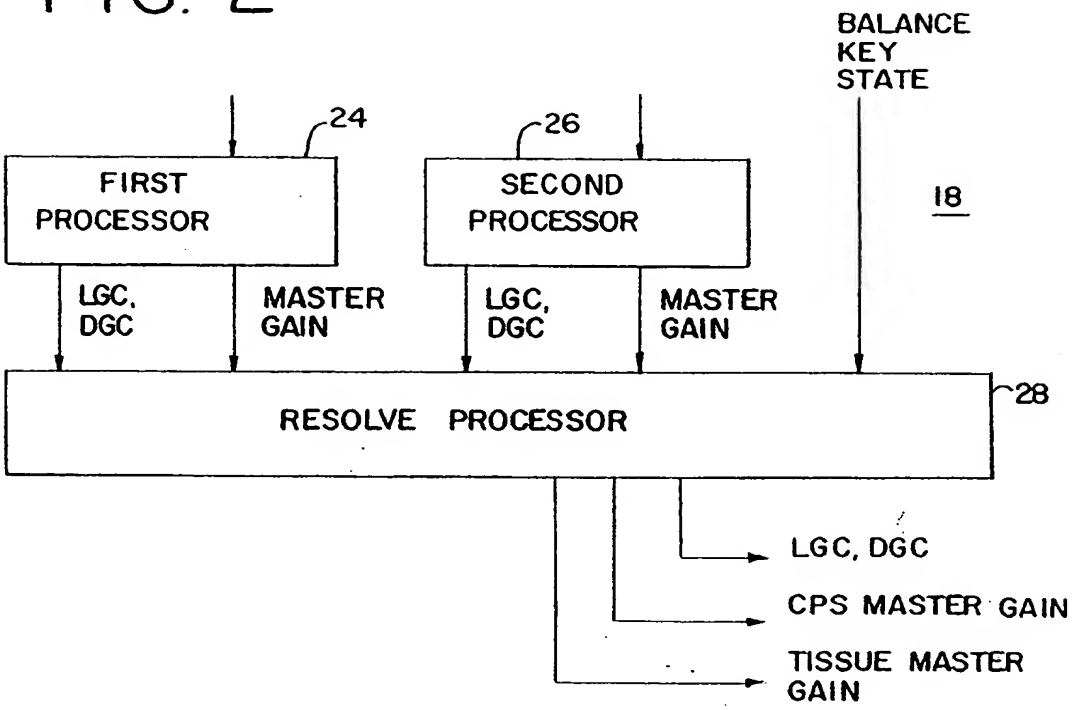

BALANCE KEY STATE
24
26
FIRST PROCESSOR
SECOND PROCESSOR
18
LGC, DGC
MASTER GAIN
LGC, DGC
MASTER GAIN
RESOLVE PROCESSOR
28
LGC, DGC
CPS MASTER GAIN
TISSUE MASTER GAIN

FIG. 3

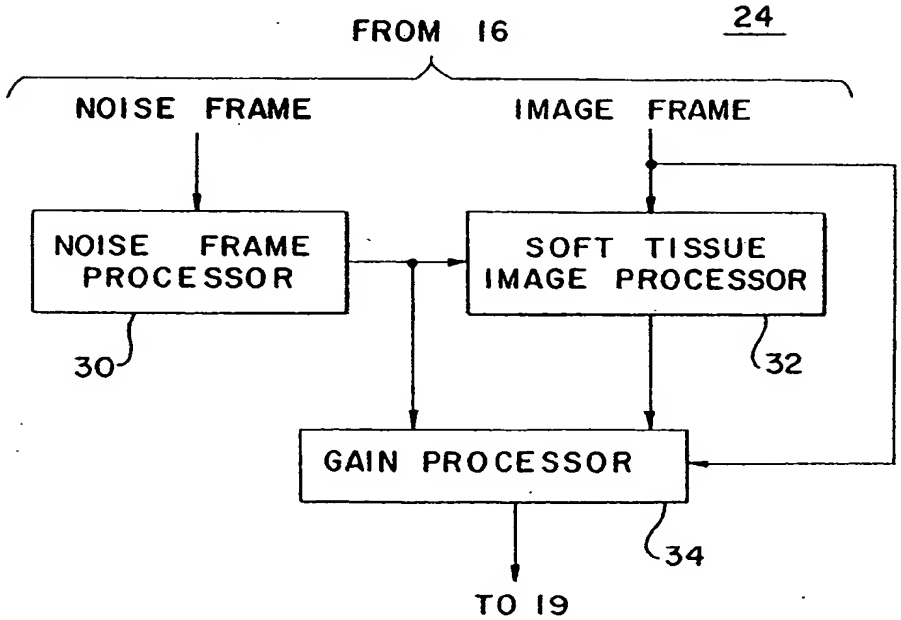
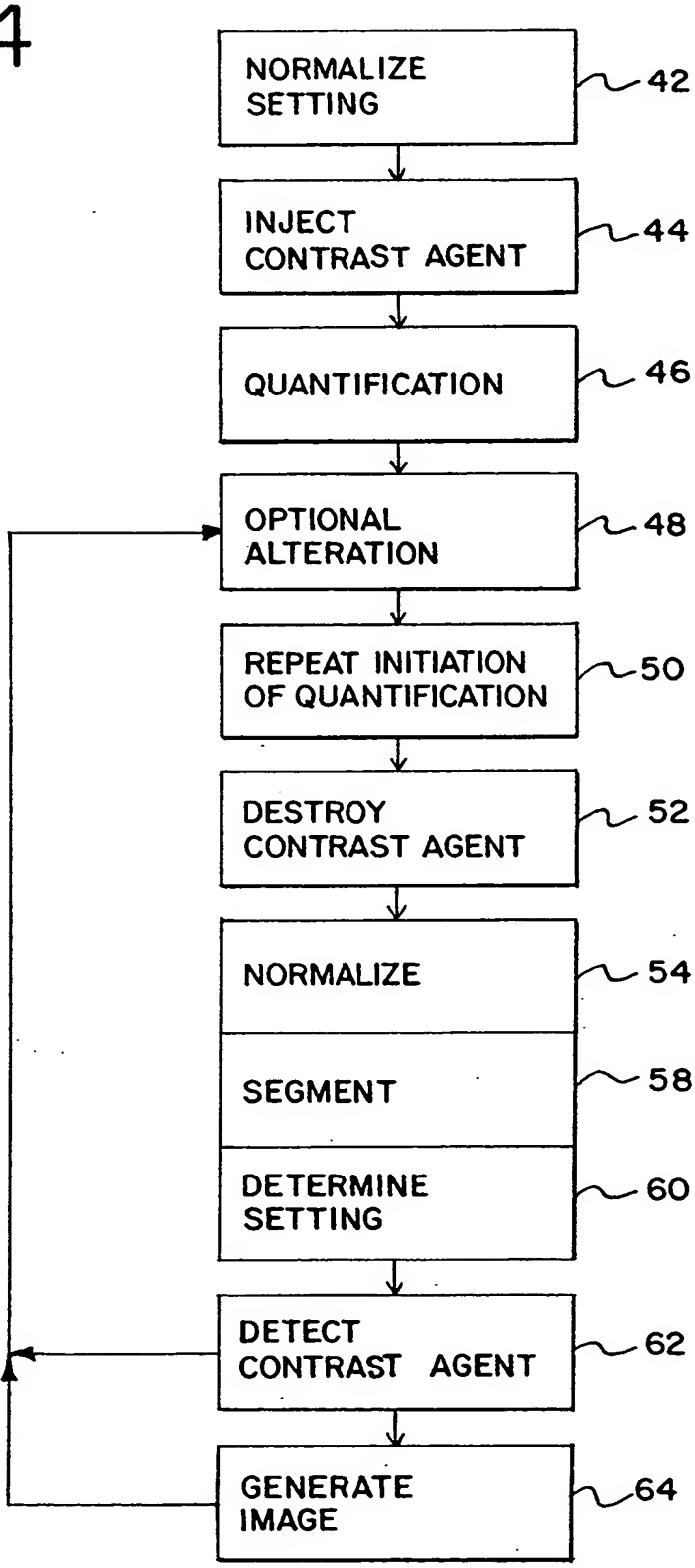

FROM 16
24
NOISE FRAME
IMAGE FRAME
NOISE FRAME PROCESSOR
SOFT TISSUE IMAGE PROCESSOR
30
32
GAIN PROCESSOR
34
TO 19

FIG. 4


NORMALIZE SETTING
42
INJECT CONTRAST AGENT
44
QUANTIFICATION
46
OPTIONAL ALTERATION
48
REPEAT INITIATION OF QUANTIFICATION
50
DESTROY CONTRAST AGENT
52
NORMALIZE
54
SEGMENT
58
DETERMINE SETTING
60
DETECT CONTRAST AGENT
62
GENERATE IMAGE
64